

# STATE FACT SHEETS



# 1999 Toxics Release Inventory

## ALABAMA

### Reported Releases and Waste Management Activities (in pounds)

	Original Industries	New Industries	Total
On-site Releases	66,586,985	62,664,853	129,251,838
Air Emissions	49,139,002	32,739,565	81,878,567
Surface Water Discharges	6,520,256	216,840	6,737,096
Underground Injection Class I Wells	0	0	0
Underground Injection Class II-V Wells	5	109,000	109,005
On-site Land Releases to RCRA Subtitle C Landfills	704,470	13,554,931	14,259,401
Other On-site Land Releases	10,223,252	16,044,517	26,267,769
Off-site Releases (Transfers Off-site to Disposal)*	8,545,600	331,081	8,876,681
<b>Total On- and Off-site Releases</b>	<b>75,132,585</b>	<b>62,995,934</b>	<b>138,128,519</b>
Recycled On-site	169,786,350	3,155,574	172,941,924
Recycled Off-site	61,390,656	313,610	61,704,266
Energy Recovery On-site	43,612,900	5,294,470	48,907,370
Energy Recovery Off-site	11,121,513	250,990	11,372,503
Treated On-site	261,272,116	11,026,960	272,299,076
Treated Off-site**	18,088,559	331,382	18,419,941
Quantity Released On- and Off-site***	70,142,216	59,538,635	129,680,851
<b>Total Production-related Waste Managed</b>	<b>635,414,310</b>	<b>79,911,621</b>	<b>715,325,931</b>
<b>Total Non-production-related Waste Managed</b>	<b>48,462</b>	<b>157</b>	<b>48,619</b>

### Transfers Off-site for Further Waste Management/Disposal

Recycling	49,499,634	427,691	49,927,325
Energy Recovery	12,355,584	250,990	12,606,574
Treatment	8,464,381	202,837	8,667,218
Publicly Owned Treatment Works (POTWs)	5,274,705	1	5,274,706
Metals and Metal Compounds*	23,399	0	23,399
Non-metal TRI Chemicals**	5,251,306	1	5,251,307
Other Off-site Transfers***	0	0	0
Off-site Transfers to Disposal (not including metals to POTWs)	12,151,281	331,431	12,482,712
<b>Total Transfers Off-site for Further Waste Management/Disposal</b>	<b>87,745,585</b>	<b>1,212,950</b>	<b>88,958,535</b>

\* Transfers to POTWs of metals and metal compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

\*\* Transfers to POTWs of non-metals are included in treated off-site waste management activity.

\*\*\* Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.

\*\*\*\* Transfers reported without a valid waste management code.

### For More Information . . .

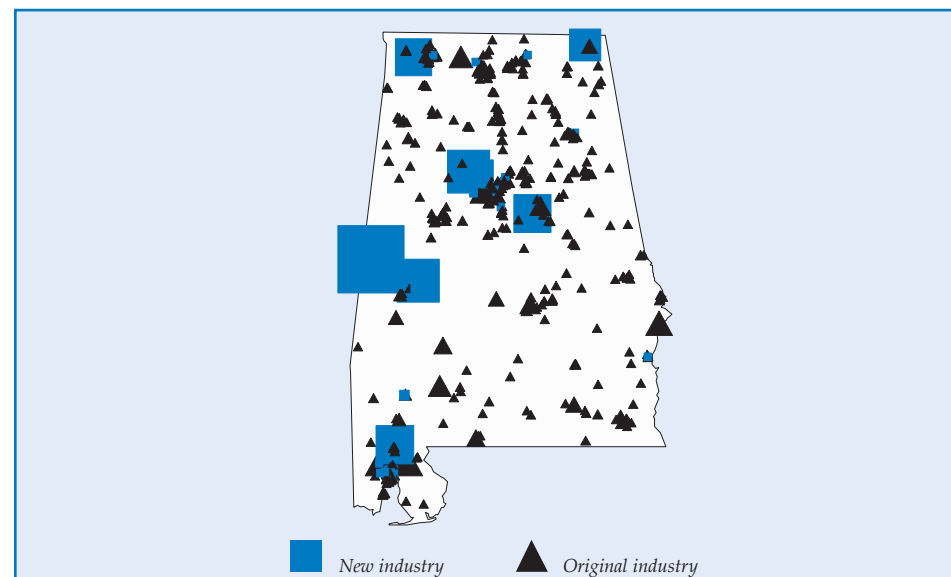
#### State Contact:

Kirk Chandler  
(334) 260-2717  
Fax: (334) 272-8131  
E-mail: kfc@adem.state.al.us

#### EPA Regional Contact:

Ezequiel Velez  
(404) 562-9191  
Fax: (404) 562-9163  
E-mail: velez.ezequiel@epa.gov

To obtain TRI data use  
assistance, call TRI User  
Support Service (TRI-US):  
(202) 260-1531  
Fax: (202) 401-2347



The largest marker in the state map represents the largest facility for on-site releases in the state of Alabama. All markers are proportionally-sized to represent the on-site releases at each facility within this state.

### State/TRI Data

Population	4,369,862
Square Miles	50,750
Total Facilities	539
Total Forms	2,158
Form As	328

	Original Industries	New Industries	Total
<b>National Rank for Total On- and Off-site Releases*</b>			
Rank	10	17	16
Pounds	75,132,585	62,995,934	138,128,519
<b>National Rank for Total On-site Releases**</b>			
Rank	10	15	15
Pounds	66,586,985	62,664,853	129,251,838
<b>National Rank for Total Releases within State***</b>			
Rank	10	17	16
Pounds	78,775,459	63,047,079	141,822,538
<b>National Rank for Production-related Waste Managed</b>			
Rank	10	21	13
Pounds	635,414,310	79,911,621	715,325,931

\* Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

\*\* Includes amounts released at the facility. Excludes amounts transferred to other sites.

\*\*\* Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



# 1999 Toxics Release Inventory

# ALABAMA

## On and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Original Industries)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
67-56-1	Methanol	12,484,144	430,053	0	117,839	209,890	13,241,926	5,076	55,014	154,876
--	Zinc compounds	121,575	203,365	0	4,519,662	4,103,368	8,947,970	3,317,354	745,302	3,359,552
75-15-0	Carbon disulfide	8,586,889	4,110	0	0	0	8,590,999	1	0	0
--	Manganese compounds	37,663	701,269	0	3,876,364	2,105,107	6,720,403	143,212	1,478,185	627,922
--	Nitrate compounds	41,664	4,473,594	0	111,451	662,074	5,288,783	6	72,270	589,804
7664-41-7	Ammonia	3,376,881	321,454	0	26,899	67,911	3,793,145	2	100	67,811
1330-20-7	Xylene (mixed isomers)	2,426,313	1,007	0	0	54,621	2,481,941	9,766	1,365	53,829
108-88-3	Toluene	2,308,140	2,408	0	0	88,589	2,399,137	2,425	81,493	10,264
7647-01-0	Hydrochloric acid	2,337,674	0	0	0	35,416	2,373,090	0	0	35,416
7439-96-5	Manganese	44,775	41	0	794,503	1,476,102	2,315,421	513	1,448,088	28,057

\* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

\*\* The chemical ranking is based on the amounts in this column.

## On and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Seven New Industries)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
7647-01-0	Hydrochloric acid	24,041,200	0	0	0	0	24,041,200	0	0	0
--	Barium compounds	25,826	33,902	81,000	10,563,524	74,382	10,778,634	1,131	73,882	500
7664-93-9	Sulfuric acid	5,141,688	0	0	0	0	5,141,688	0	0	0
--	Zinc compounds	14,775	34,167	0	4,210,180	27,883	4,287,005	5,450	21,883	6,000
1336-36-3	Polychlorinated biphenyls (PCBs)	5	0	0	3,940,000	0	3,940,005	451	0	0
7664-39-3	Hydrogen fluoride	3,250,676	0	0	0	0	3,250,676	0	0	0
--	Lead compounds	3,642	1,880	0	2,937,571	29,600	2,972,693	33,980	250	29,350
--	Copper compounds	5,102	20,404	0	1,969,713	2,005	1,997,224	13,401	250	1,755
--	Manganese compounds	9,825	21,679	28,000	1,283,280	62,574	1,405,358	559	61,824	750
--	Chromium compounds	5,246	2,775	0	1,211,642	8,376	1,228,039	20,469	1,632	6,744

\* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

\*\* The chemical ranking is based on the amounts in this column.



# 1999 Toxics Release Inventory

# ALABAMA

## On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Original Industries)

Facility, City, County	On-site Releases						Total On-site Releases*	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection				On-site Releases to Land			Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pound			
Acordis Cellulosic Fibers Inc., Axis, Mobile	8,507,850	23,800	0	0	0	277,800	8,809,450	0	0
USS Fairfield Works, Fairfield, Jefferson	203,221	6,725	0	0	0	4,592,844	4,802,790	0	0
Mead Coated Board Inc., Cottonton, Russell	2,269,007	126,802	0	0	0	808,982	3,204,791	0	0
Champion Intl. Courtland Mill, Courtland, Lawrence	2,044,914	245,530	0	0	0	356,625	2,647,069	0	0
Alabama River Pulp Co. Inc., Perdue Hill, Monroe	1,773,610	179,505	0	0	0	554,620	2,507,735	0	0
Alliance Forest Prods. U.S., Coosa Pines, Talladega	1,933,040	36,600	0	0	0	179,920	2,149,560	0	0
International Paper, Prattville, Autauga	1,532,610	96,310	0	0	0	444,415	2,073,335	0	0
Solutia Inc. - Decatur AL, Decatur, Morgan	367,094	1,436,082	0	0	0	0	1,803,176	61,130	0
BP Amoco Chemicals, Decatur, Morgan	1,650,063	64,828	0	0	0	181	1,715,072	39,246	76,744
Weyerhaeuser USA Inc. Pine Hill Ops., Pine Hill, Wilcox	1,543,803	124,042	0	0	0	11,800	1,679,645	356,250	0

\*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.

## On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Seven New Industries)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection				On-site Releases to Land			Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pound			
Chemical Waste Management, Emelle, Sumter	445	0	0	0	13,554,931	0	13,555,376	62,242	106,394
Alabama Power Co. - Plant Greene County, Forkland, Greene	7,641,711	4,972	0	0	0	395,603	8,042,286	0	0
Alabama Power Co. - Plant Gorgas, Parrish, Walker	5,856,031	38,823	0	0	0	2,114,057	8,008,911	0	0
Alabama Power Co. - Plant Barry, Bucks, Mobile	4,108,313	30,815	0	0	0	2,854,505	6,993,633	0	0
Alabama Power Co. - Plant Gaston, Wilsonville, Shelby	3,540,977	22,493	0	0	0	3,305,639	6,869,109	0	0
U.S. TVA Colbert Fossil Plant, Tuscumbia, Colbert	4,948,825	11,430	0	0	0	1,699,855	6,660,110	0	1,025
U.S. TVA Widows Creek Fossil Plant, Stevenson, Jackson	3,306,105	71,600	0	0	0	2,136,615	5,514,320	3,210	2,260
Alabama Power Co. - Plant Miller, Quinton, Jefferson	1,362,619	10,059	0	0	0	3,287,329	4,660,007	0	0
Mobile Energy Services Co. L.L.C., Mobile, Mobile	1,308,286	0	0	0	0	0	1,308,286	155,889	0
Charles R. Lowman Power Plant, Leroy, Washington	357,685	1,065	0	0	0	154,200	512,950	0	0

\*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.



# 1999 Toxics Release Inventory

## ALABAMA

### Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Original Industries)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site*	Total Production- related Waste Managed Pounds	Total Non- production- related Waste Managed Pounds
USS Fairfield Works, Fairfield, Jefferson	0	4,905,711	0	0	0	0	4,916,888	9,822,599	0
Corus Tuscaloosa, Tuscaloosa, Tuscaloosa	0	0	0	0	0	4,052,145	4,054,396	8,106,541	0
Mead Coated Board Inc., Cottonton, Russell	0	0	1,562,555	0	8,181,214	0	3,201,568	12,945,337	0
Champion Intl. Courtland Mill, Courtland, Lawrence	0	0	2,067,000	0	14,795,100	0	2,632,300	19,494,400	14
Alabama River Pulp Co. Inc., Perdue Hill, Monroe	0	0	0	0	21,377,100	0	2,509,510	23,886,610	1
Alliance Forest Prods. U.S., Coosa Pines, Talladega	241,000	0	0	0	12,286,600	0	2,150,500	14,678,100	0
International Paper, Prattville, Autauga	0	0	12,004,502	0	4,817,000	0	2,067,320	18,888,822	0
Weyerhaeuser USA Inc. Pine Hill Ops., Pine Hill, Wilcox	0	0	101,320	0	10,048,300	0	1,948,195	12,097,815	0
Solutia Inc. - Decatur AL, Decatur, Morgan	7,600,000	74,300	17,500	18,000	273,422	0	1,862,164	9,845,386	4
BP Amoco Chemicals, Decatur, Morgan	0	188,000	0	0	3,439,900	86,150	1,717,734	5,431,784	0

\*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.

### Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Seven New Industries)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site*	Total Production- related Waste Managed Pounds	Total Non- production- related Waste Managed Pounds
Chemical Waste Management, Emelle, Sumter	0	4,171	0	0	0	323,801	10,176,623	10,504,595	0
Alabama Power Co. - Plant Greene County, Forkland, Greene	0	0	0	0	0	0	8,042,286	8,042,286	0
Alabama Power Co. - Plant Gorgas, Parrish, Walker	0	0	0	0	0	0	8,008,914	8,008,914	0
Alabama Power Co. - Plant Barry, Bucks, Mobile	0	0	0	0	0	0	6,993,633	6,993,633	0
Alabama Power Co. - Plant Gaston, Wilsonville, Shelby	0	0	0	0	0	0	6,869,110	6,869,110	0
U.S. TVA Colbert Fossil Plant, Tuscumbia, Colbert	0	0	0	0	774,000	0	6,671,020	7,445,020	0
U.S. TVA Widows Creek Fossil Plant, Stevenson, Jackson	0	171,000	0	0	8,403,000	0	5,490,820	14,064,820	0
Alabama Power Co. - Plant Miller, Quinton, Jefferson	0	0	0	0	0	0	4,660,007	4,660,007	0
Mobile Energy Services Co. L.L.C., Mobile, Mobile	0	0	5,294,470	0	0	0	1,575,769	6,870,239	1
Charles R. Lowman Power Plant, Leroy, Washington	0	0	0	0	1,839,000	0	512,950	2,351,950	0

\*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.